

**MEDICINE PARK
TELEPHONE CO.**

Received & Inspected
MAR 10 2014
FCC Mail Room

March 5, 2014

Marlene H. Dortch, Secretary
Federal Communications Commission 445 Twelfth St, S.W.
Washington, D.C. 20554

RE: W.C. Docket No. 10-90 Rural Broadband Experiment Expression of Interest

Dear Ms. Dortch:

Medicine Park Telephone Company hereby expresses an interest in participating in the Commission's rural broadband experiment to provide robust, scalable high-speed broadband to unserved/underserved high-cost areas with additional Connect America funding.

Background

Medicine Park Telephone Company was formed in 1958 when the Edward A. Hilliary, Jr. and wife Alice Jo purchased the telephone system in Medicine Park from the Wolverton Family. At that time the system had 100 subscribers. Junior set out to upgrade and enhance the system, among them was installing a Step-by-Step telephone switch that was decommissioned from a Naval ship. The original Central Office is located at the corner of East Lake Dr. & Forrest Ave, and is currently undergoing renovations to provide additional office and meeting space for the community. The system has continued to steadily grow over the course of 55 years.

Medicine Park Telephone has been on the leading edge of technology since its inception. In 1980 the first all-digital switch in Oklahoma, a DMS 10, was installed providing single party service. In 2000, with a \$4,000,000 construction project, Medicine Park was one of the first telephone companies in the state to offer DSL service to 100% of its service area.

Since 1958, the Hilliary's & Medicine Park Telephone have invested over \$14,000,000 within the service territory to better service their customers.

2010, Medicine Park received two awards under the USDA Broadband Incentives Program, totaling in excess of \$3,000,000. One project would build a state of the art Fiber to the Home network around the Meers community, which is adjacent to the Medicine Park exchange. The other would allow Medicine Park to construct 100 miles of fiber between its' Oklahoma network and Wichita Falls, TX to provide for Middle Mile services, including redundant telephone switching and broadband connectivity.

2012, Medicine Park Telephone is deploying a \$4,200,000 project to bring Fiber to the Home to all of its customers. The estimated completion date is 2015.

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2013, Medicine Park applied for and received in excess of \$4,000,000 in USDA Community Connect grants for the Acme, Agawam, Cookietown, & Saddle Mountain service areas. These are rural areas in SW Oklahoma that Medicine Park will be able to expand into via Fiber to the Home and provide world class service. These projects will be completed in 2016.

If provided funding under the FCC Rural Broadband Technology Trials, our project will construct Fiber to the Premise throughout our proposed area, which we will extend off the FTTP network we already have in place.

Geographic Territory

The proposed service area includes all of Kiowa County, the south half of Caddo County, the southern half of Grady County, All of Comanche County less the city of Lawton and all of Cotton County. This totals 50,000 people in five counties.

List of Anchor Institutions

Anchor institutions would include but not limited to Elgin Public School, Fletcher, Public School, Sterling Public School, Geronimo Public School, Walters Public School, Cyril public School, Cement Public School, Roosevelt Public School, Ninnekah Public School, Alex Public School, Cache Public School, Indianoma Public School, Bradley Public School, Rush Springs Public School, Mt. View Public School, and Snyder public School.

Proposed Technology

MEDICINE PARK TELEPHONE COMPANY proposes to deploy Fiber to the Home, which is a future-proof technology with virtually unlimited speeds. This network will be connected to an existing 10Gig ring for voice, data and IP technology providing a redundant ring. MEDICINE PARK TELEPHONE COMPANY will own the fiber network and work with local electric Cooperatives to use the network to test and setup their Smart Grid service offering. We are planning on offering GPON FTTH services. Our offerings will include voice, television, and broadband services. Our initial speed offerings will start at 10 Mbps, 20 Mbps, 50 Mbps, 100 Mbps and 1 Gbps. Anchor institutions will be offered the ability to receive 100 Mbps connections. These service offerings will be priced according to the tiers of service on a monthly fee of \$49 (10 Mbps), \$69 (20 Mbps), \$99 (50 Mbps), \$199 (100 Mbps) and \$950 (1 Gbps).

Existing Providers

AT&T, provides ADSL services in Lawton and some of the surrounding areas. In some of that area, there is adequate bandwidth available for today's needs with speeds of 3-5 Mbps. However the ADSL platform is not scalable to meet the future needs of the community and in some of the areas within the city limits and in most of the outlying areas, available speeds are limited to less than 1 Mbps. ADSL has a max upload of less than 1 Mbps and that speed is no longer sufficient for businesses and individuals to transfer information.

Project Timeline

The construction of this project is ready as soon as funding is acquired and the necessary engineering and splicing contracts are put in place. MEDICINE PARK TELEPHONE COMPANY is experienced with Fiber to the Home construction in both town and rural areas and has successfully

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completed 20 fiber construction projects. We are projecting the construction of this project to take two (2) years.

Scalability

A fiber network is future-proof and able to handle the technology and increasing bandwidth needs for the next generation. With the ever changing and increasing demands of electricity, a fiber infrastructure is best to implement a Smart Grid technology, which would conserve energy, improve restoration of power disturbances, control costs and improve security and public safety.

Total Utility Investment

\$2,000,000

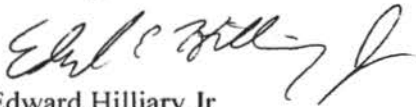
One Time Capital Infrastructure Investment Needed

\$15,000,000

Total Project Cost

\$17,000,000

Sincerely,



Edward Hilliary Jr

President

Medicine Park Telephone Co.

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